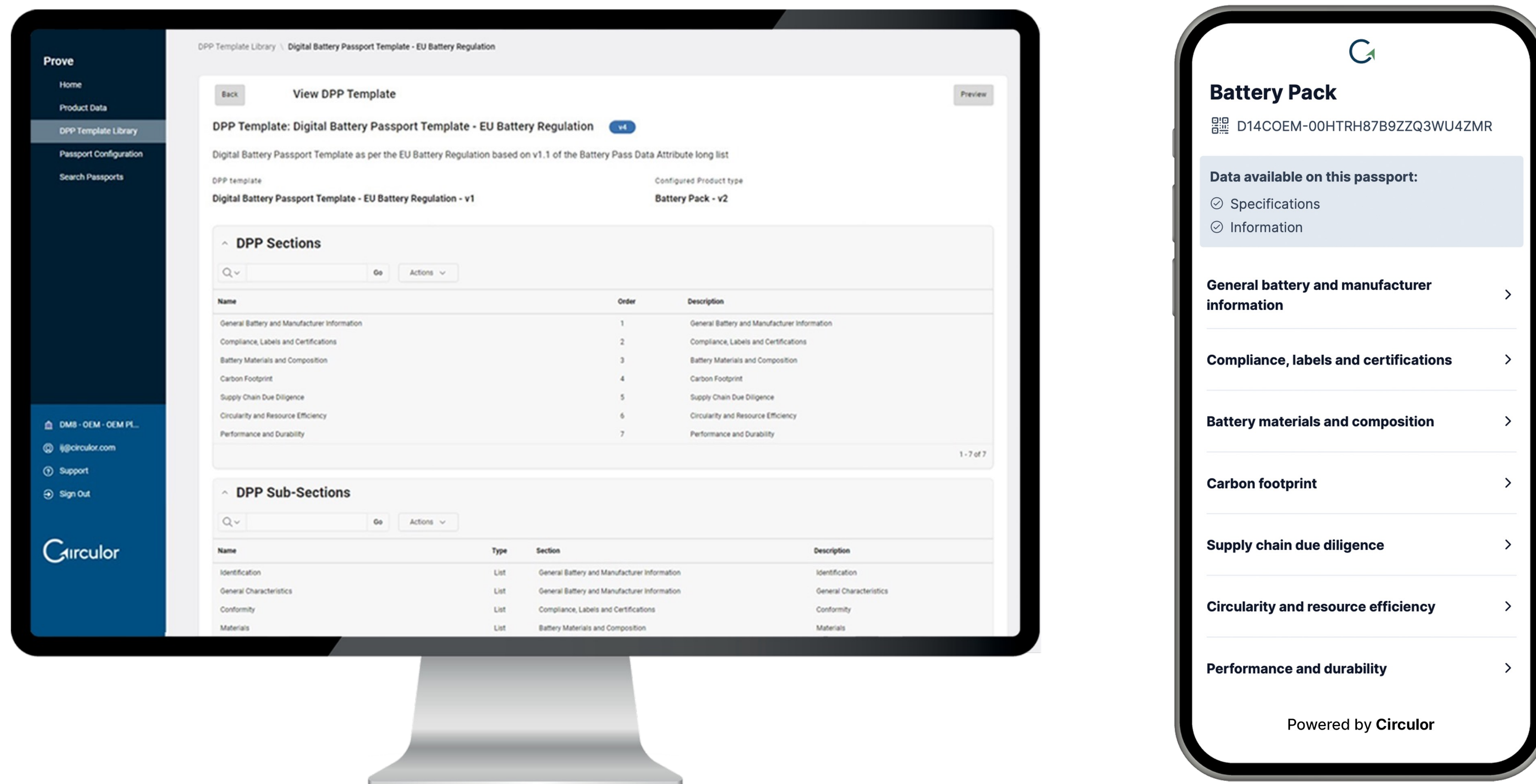


Battery Passports

Collate, store, and display all relevant information for an individual battery for the entire life cycle, from mine to manufacturing, in-life and end-of-life.



Benefits of Circulor's Battery Passport

Largest battery supply chain network

Customers benefit from fast and efficient implementations thanks to Circulor's large and growing network of battery suppliers. As the market-leader for supply chain traceability, we work with 52% of global cell manufacturers (by production volume), providing visibility for 158 million battery cells and collecting 2.6 billion traceability data points to date.

A neutral and trusted third party

When it comes to compliance and demonstrating responsible sourcing, 'marking your own homework' carries a multitude of risks. Circulor is an impartial, independent, and agnostic solution provider that gathers and processes data from multiple supply chain participants such that it can be verified, audited and protected with confidence by all.

Proof of responsible and compliant activity

We enable you to provide verifiable proof of material provenance and the production journey, inherited CO₂-e emissions, recycled content quotas, and evidence compliant sourcing by underpinning the battery passport with data from Circulor's Material Traceability and Emissions Tracking solutions.

Working with policymakers to support you

Circulor supports you through our participation across all areas of the battery regulatory ecosystem. We are embedded in this extensive network (Battery Pass, Catena-X, GBA), helping to shape the policy landscape, integrating your needs, and ensuring your battery passports evolve in coordination.

A world first...

Circulor's Battery Passport is already being used at production scale by major auto manufacturers.

In collaboration with Volvo Cars, Circulor launched the world's first battery passport in June 2024 – providing unprecedented customer transparency via the electronic record of the raw materials, battery components and recycled content.

Enabling customers to comply with the regulation, our Battery Passport evidences the requirements like embedded carbon footprint, responsible sourcing, recycled materials, and state of health performance.

Circulor is Catena-X certified. We also ensure suppliers can seamlessly connect through the Catena-X ecosystem and concurrently via our API.

✉ For more information info@circulor.com

The data you need for certifiable battery passports

Our solution ingests and organizes a multitude of static and dynamic battery data from production and usage.

With Circulor's Battery Passport, our customers can:

- 1 Begin battery passport creation now with all relevant static product data
- 2 Seamlessly integrate with Circulor's API once internal master data system is set up
- 3 Assign role-based access controls for economic operators and the general public
- 4 Connect to Circulor's Material Traceability and Emissions Tracking solutions
- 5 Create the QR codes and manage the inventory of battery passports